

## INTERDISCIPLINARY STUDIES COLLEGE OF ARTS AND SCIENCES

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<http://www.swosu.edu/interdisciplinary/>

### PROGRAM GOALS

The primary educational goals and objectives of the Bachelor of Arts Interdisciplinary Studies degree program are as follows:

Educational goals for this degree are to

- Facilitate life-long learning goals for learners.
- Provide opportunities for learners to develop further knowledge in three discipline areas.
- Allow learners flexibility in designing an interdisciplinary curriculum to meet their individual needs and goals not served by traditional majors.
- Provide an avenue of higher education that meets the needs of learners whether for personal enrichment or professional advancement.
- Provide learners with education mobility options in a world where career changes are increasing.

Education objectives for this degree are to assist learners in

- Acquiring a broad knowledge in a variety of disciplines.
- Completing the same general education curriculum as traditional students.
- Developing specialized knowledge in three discipline areas.
- Enhancing critical thinking, communication and problem solving skills.
- Gaining intellectual knowledge and experiencing personal growth and enrichment through a broad-based curriculum of study.

### PROGRAM OF STUDY

**Major:** B.A. Interdisciplinary Studies

### GENERAL INFORMATION

The Interdisciplinary Studies program offers maximum flexibility for self-improvement and career enhancement for students who wish to design their own course of study, change their majors late in their academic career, return to SWOSU with new career insights, or attend the University on an irregular basis.

The rapid pace of changes in society and the workplace provides diverse opportunities for the broadly educated academic generalist. Interdisciplinary Studies foster receptivity to new information and innovation. Many employers seek interdisciplinary graduates, finding them well prepared, flexible, adaptive, and able to readily acquire more specialized skills in the workplace.

Increasingly, students are selecting broad-based programs to meet their educational and career goals. Some seek careers in areas that do not require highly concentrated courses of study. When given the opportunity, these students frequently select courses of study that better align with their interests. Employers sometimes seek graduates with broad educational backgrounds. For example, a solid foundation in chemistry, biology, and engineering technology is invaluable to graduates seeking work in environmental science. Multinational companies seek employees well versed in business, international politics, and a foreign language. Individuals wishing to start their own businesses may choose a science or engineering area, management and computer science. The number of students seeking diverse educational programs is growing, as evidenced by the numerous multidisciplinary programs offered through the nation. This program is designed to meet the diverse and changing needs of students and the market place.

## BACHELOR OF ARTS INTERDISCIPLINARY STUDIES

### GENERAL EDUCATION

Courses that are **required** are in bold type.

**TOTAL HOURS** ..... 43 - 44

**Composition** .....6

ENGL 1113 **English Composition I**  
ENGL 1213 **English Composition II**

**Mathematics** ..... 3 hours

MATH 1143 Math Concepts  
MATH 1513 College Algebra OR  
higher numbered math course

**Computer Applications** .....2

COMSC 1022 **Computer & Information Access**

**Natural Sciences**.....8

BIOL 1004 **Biological Concepts (required)\***  
SCI 1514 Concepts of Physical Science  
ASTRO 1904 Astronomy  
GEOL 1934 Physical Geology  
CHEM 1004 General Chemistry OR  
higher numbered chemistry course

**Humanities & Fine Arts** .....6

ART 1223 Art Survey  
LIT 2413 Intro to Literature  
MUSIC 1013 Intro to Music I  
PHILO 1453 Intro to Philosophy  
COMM 1313 Intro to Public Speaking

**U.S. History & Government**.....6

POLSC 1103 **American Government & Politics**  
HIST 1063 **U.S. History**

**Economic & International Studies** .....6

HIST 1033 World History  
GEOG 1103 World Cultural Geography  
ECONO 2263 Intro to Macroeconomics **OR**  
ECONO 2363 Intro to Microeconomics

**Behavioral, Social, & Cultural Studies** ..... 6 - 7

PSYCH 1003 General Psychology  
SOCIO 1003 Intro to Sociology  
\_\_\_\_4 World Languages  
TECH 1223 Technology and Society  
KINES 1133 Wellness Concepts & Exercise  
Applications

\*Students who select Biology as a discipline area, must take BIOL 1054 Principles of Biology in place of Biological Concepts.

### Interdisciplinary Studies Major/Minor Code No. 190

**Three Discipline Areas of Emphasis** ..... 63

Choose 3 discipline areas from the list below. Each discipline area of emphasis must include 21 credit hours.

#### Discipline Areas:

Allied Health Sciences	History
American Indian Studies	Indust/Engineer Tech
Art	Information Systems
Biology	Kinesiology
Business	Math
Chemistry	Music
Communication Arts	Parks & Rec Mngmt
Computer Science	Physics
Criminal Justice	Political Science
Economics	Psychology
Education	Social Work
English	Spanish

*Maximum Independent Study/Directed Reading courses are limited to a total of five credit hours per discipline.*

**Free Electives** ..... 12-13

#### Total Minimum Hours

**Required for Degree** ..... 120

*Courses taken in one area, i.e. General Education, Discipline Areas or Free Electives, may not be used to meet any other requirements of the degree.*

#### REGULATION PERTAINING TO GRADUATION

Minimum credit hours for graduation	120
Minimum credit hours in the liberal arts & sciences	80
Minimum credit hours in upper-division (3000/4000 courses)	40
Minimum credit hours (3000/4000 courses in discipline areas completed at SWOSU	8
Minimum credit hours at SWOSU (15 of the last 30)	30
Minimum grade point average in all coursework	2.00

FOR INFORMATION CONTACT:

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**DISCIPLINE AREA REQUIREMENTS** (Choose 3 areas with 21 hours each to total 63 hours)

**ALLIED HEALTH SCIENCES**

ALHLT1401	Allied Health Careers	ATEP 2433	ATR Care/Prev Ath Inj	ALHLT3093	Dietetics Health Illness
ALHLT2442	Medical Terminology	ATEP 2531	Dir Obs in AT	MEDRC3333	Coding I
ALHLT3193	Health Care Delivery	ATEP 2633	Cardiac and Emerg Care	MEDRC3333L	Coding I Lab
ALHLT3933	Mngmt Hlth Care Inst	ATEP 3723	Adv Athletic Training	MEDRC3343	Coding II
ALHLT3963	Health Care Adm	ATEP 3743	Athl Rehab & Reconditn	MEDRC3343L	Coding II Lab
ALHLT4093	Epidemiology	ATEP 4323	Ath Train Pharmacology	MEDRC3352	Intro Reimb/Class Syst
ALHLT4213	Immunology	ATEP 4344	Ath Trng Eval Orth Inj	MEDRC4023	Hlth Inf Application
ALHLT4355	Microbiology	ATEP 4433	Ath Train Modalities	MEDRC4023L	Hlth Inf Appl Lab
ALHLT4355L	Microbiology Lab	ATEP 4722	Adm Issues Ath Train	MEDRC4033	Health Inform Mngmt
ALHLT4404	Pathogenic Microbiology	MEDRC3023	Health Info Systems	MEDRC4033L	Health Infor Mngmt Lab
ALHLT4404L	Pathogenic Micro Lab	MEDRC3023L	Health Info Sys Lab	ALHLT4043	Medicolegal Concepts
ALHLT4453	Virology	MEDRC3033	Intro Hlth Information	ALHLT4074	Pathophysiology
ALHLT4523	Environ Microbiology	MEDRC3033L	Intro Hlth Inform Lab	MEDRC4112	Quality Improvement
ALHLT4523L	Environ Micro Lab	ALHLT3043	Health Statistics	ALHLT4313	Medical Parasitology
ALHLT4802	History of Medicine	ALHLT3043L	Health Statistics Lab	ALHLT4313L	Med Parasitology Lab
ALHLT4872	Hominology	ALHLT3053	Advanced Med Term		
ATEP 1922	Intro to Ath Training	ALHLT3072	Applied Medical Vocab		

**AMERICAN INDIAN STUDIES**

ACCTG1123	Intro to Accounting	AMIS 2403	Special Topics Am Ind I	HIST 4103	American Indians
ACCTG2213	Prin of Accounting I	AMIS 2413	Tribal Economics	HIST 4353	History of Oklahoma
AMIS 1001	Intro to Am Indian Studies	AMIS 2603	(Tribe) History	KINES1153	Nutrition
AMIS 1011-3	Sem in Am Indian Studies	AMIS 3004	(Tribe) Language II	KINES3393	Nutrition for Children
AMIS 2001-3	Ind Stdy in Am Ind Studies	AMIS 3403	Special Topic Am Ind II	KINES4013	Nat Am Wellness Conc
AMIS 2004	(Tribe) Language I	AMIS 4011-3	Seminar in Am Ind Studies	LIT 3513	Lit of the Am West
AMIS 2103	American Indians Today	AMIS 4333	Religion of the Am Indian	LIT 4593	Diversity in Am Lit
AMIS 2123	Tribal Gvt & Sovereignty	ART 2013	Art of the Am Indian	MUSIC 4013	Music in Native American
AMIS 2133	Lit of Am Ind	GEBUS1123	Introduction to Business		

**ART**

ART 1113	Fundamentals of Art	ART 3013	Seminar in Art	ART 3853	Typographic Design
ART 1123	Foundations I, Drawing	ART 3014	Seminar in Art	ART 3883	Advertising Design
ART 1133	Found II, Two-Dim Des	ART 3113	Watercolor Studio	ART 3923	Publication Design
ART 1143	Found III, 3-Dim Desgn	ART 3153	Figure Drawing	ART 3953	Professional Practice
ART 2011	Seminar in Art	ART 3213	Computer Graphics	ART 4163	Portfolio
ART 2012	Seminar in Art	ART 3353	Clay Studio	ART 4253	Applied Design
ART 2013	Seminar in Art	ART 3413	Sculpture Studio	ART 4313	Painting Studio
ART 2014	Seminar in Art	ART 3483	Printmaking Studio	ART 4333	Studio Drawing
ART 2113	Acrylic Techniques	ART 3513	Media for Artists	ART 4353	Modern Art History
ART 2133	Intro to Graphic Desgn	ART 3613	History of Art I	ART 4383	Art History Since 1945
ART 2143	Hist of Graphic Design	ART 3653	History of Art II	ART 4393	Non-Western Art Survey
ART 3011	Seminar in Art	ART 3683	Illustration Studio	ART 4413	Package Design
ART 3012	Seminar in Art	ART 3753	Life Drawing	ART 4651	Senior Exhibit
		ART 3783	Photo/Digital Illustra		

**BIOLOGY**

Students who select Biology as a discipline area must take BIOL 1054 Principles of Biology (required) in place of Biological Concepts.

BIOL 1054	Principles of Biology	BIOL 3504	Natural History	BIOL 4284L	Animal Parasitology Lab
BIOL 1054L	Princ Biology Lab	BIOL 3504L	Natural History Lab	BIOL 4314	Environmental Biology
BIOL 2204	Introductory Zoology	BIOL 3604	General Entomology	BIOL 4314L	Environmental Biology Lab
BIOL 2204L	Intro Zoology Lab	BIOL 3604L	General Entomology Lab	BIOL 4454	Plant Taxonomy
BIOL 2404	Introductory Botany	BIOL 3704	Human Anatomy	BIOL 4454L	Plant Taxonomy Lab
BIOL 2404L	Intro Botany Lab	BIOL 3704L	Human Anatomy Lab	BIOL 4604	General Ecology
BIOL 3012	Biol Terminology	BIOL 3804	Plant Physiology	BIOL 4604L	General Ecology Lab
BIOL 3254	Genetics	BIOL 3804L	Plant Physiology Lab	BIOL 4622	Econ Import Plants
BIOL 3254L	Genetics Lab	BIOL 3904	Human Physiology	BIOL 4933	Cellular Physiology
BIOL 3304	Aquatic Biology	BIOL 3904L	Human Physiology Lab	BIOL 4964	Molecular Biology
BIOL 3304L	Aquatic Biology Lab	BIOL 4154	Developmental Biology	BIOL 4964L	Molecular Biology Lab
BIOL 3403	Plant Morphology	BIOL 4154L	Developmental Biol. Lab	BIOL 4974	Histology
BIOL 3403L	Plant Morphology Lab	BIOL 4284	Animal Parasitology	BIOL 4974L	Histology Lab

**BUSINESS**

ACCTG1123	Introduction to Accounting	ENTRP3123	Legal Env of Business	FINAN3663	Investments
ACCTG2213	Principles of Acctg I	ENTRP3423	Busin Communications	FINAN4013	Sem in Finance
ACCTG2313	Principles of Acctg II	ENTRP3723	International Business	FINAN4513	Portfolio Management I
ACCTG3213	Acctg Info Systems	ENTRP3823	Quantitative Meth Bus	MNGMT3233	Management
ACCTG3313	Intermediate Acctg I	ENTRP3923	Adv Comp Business App	MNGMT3333	Human Resource Mngmt
ACCTG3523	Income Tax Acctg I	ENTRP4013	Sem In Gen Bus	MNGMT3433	Administrative Theory
ACCTG3713	Cost Accounting	ENTRP4123	Professional Issues	MNGMT3533	Organizational Behav
ENTRP1123	Introduction to Business	FINAN3343	Business Finance	MNGMT4123	Managerial Ethics
ENTRP3113	Intro to MIS	FINAN3353	Personal Financial Plan	MNGMT4433	Entrepren/New Ventur

MNGMT4633	International Mngmt	MRKTG3263	Retail Management	MRKTG4443	Channel of Distribution
MRKTG3143	Principles of Marketing	MRKTG3443	Market/Consumer Behv	MRKTG4543	Industrial Mrktg
MRKTG3243	Promotional Strategy	MRKTG4013	Seminar in Marketing	MRKTG4643	International Mrktg

### CHEMISTRY

CHEM 1203	Gen Chem I Lecture	CHEM 3124	Quantitative Analysis	CHEM 4124	Biochemistry
CHEM 1252	Gen Chem I Lab	CHEM 3124L	Quant Analysis Lab	CHEM 4124L	Biochemistry Lab
CHEM 1303	Gen Chem II Lecture	CHEM 3234	Inorganic Chemistry	CHEM 4223	Polymer Chemistry
CHEM 1352	Gen Chem II Lab	CHEM 3234L	Inorganic Chem Lab	CHEM 4223L	Polymer Chemistry Lab
CHEM 2011	Sem In Chemistry	CHEM 3244	Environmental Chemistry	CHEM 4234	Instrum Analysis
CHEM 2012	Sem In Chemistry	CHEM 3244L	Environmental Chem Lab	CHEM 4234L	Instr Analysis Lab
CHEM 2013	Sem In Chemistry	CHEM 4011	Seminar in Chemistry	CHEM 4254	Ind Chem & Environ Reg
CHEM 2014	Sem In Chemistry	CHEM 4012	Seminar in Chemistry	CHEM 4344	Physical Chemistry I
CHEM 2114	Organic/Biochemistry	CHEM 4013	Seminar in Chemistry	CHEM 4344L	Physical Chem I Lab
CHEM 2114L	Organic/Biochem Lab	CHEM 4014	Seminar in Chemistry	CHEM 4454	Physical Chem II
CHEM 3013	Organic Chemistry I	CHEM 4021	Organic Chem II Lab	CHEM 4454L	Physical Chem II Lab
CHEM 3015	Organic Chemistry I	CHEM 4113	Organic Chemistry II	CHEM 4554	Adv Organic Spectroscopy
CHEM 3015L	Organic Chem I Lab	CHEM 4115	Organic Chemistry II	CHEM 4673	Metabolism
CHEM 3111	Organic Chem I Lab	CHEM 4115L	Organic Chem II Lab		

### COMMUNICATION AND THEATRE

COMM 2001	Ind Study Communication	COMM 3073	Persuasion	COMM 4003	Ind Study Communication
COMM 2002	Ind Study Communication	COMM 3113	News Editing	COMM 4004	Ind Study Communication
COMM 2003	Ind Study Communication	COMM 3213	Advanced News Editing	COMM 4011	Seminar in Communication
COMM 2004	Ind Study Communication	COMM 3313	Feature Writing	COMM 4012	Seminar in Communication
COMM 2011	Sem In Communication	COMM 3333	Photojournalism	COMM 4013	Seminar in Communication
COMM 2012	Sem In Communication	COMM 3363	Script Analysis	COMM 4014	Seminar in Communication
COMM 2013	Sem In Communication	COMM 3763	Stage Management	COMM 4243	Media Production
COMM 2014	Sem In Communication	COMM 3413	Desktop Publishing	COMM 4293	Media Law and Ethics
COMM 2063	Voice and Diction	COMM 3543	Small Group Comm	COMM 4343	Communication Theory
COMM 2103	Intro to Mass Comm	COMM 3553	Oral Interpretation	COMM 4363	Organizational Comm
COMM 2113	Writing for Mass Media	COMM 3563	Argumentation & Debate	COMM 4403	Scene Design
COMM 2123	Interpersonal Communic	COMM 3573	Intercultural Comm	COMM 4463	Thtre Hist: Greek-1660
COMM 2213	News Gathering/Report	COMM 3613	Specialized Publicatns	COMM 4483	Play Directing & Produ
COMM 2363	Acting I	COMM 3761	Theatre Production	COMM 4663	Thtre Hist:1660-Presnt
COMM 2763	Stage Craft	COMM 3963	Costume History	COMM 4963	Acting II
COMM 3013	Theatrical Make-Up	COMM 4001	Ind Study Communication		
COMM 3023	Lighting Design	COMM 4002	Ind Study Communication		

### COMPUTER SCIENCE

COMSC1033	Computer Science I	COMSC3043	Systems Programming	COMSC3933	Multimedia Systems
COMSC1053	Computer Science II	COMSC3053	Operating Systems	COMSC4001-4	Ind Study Comp Sci
COMSC1103	Intro to Info Security	COMSC3133	Software Engineering	COMSC4011-4	Computer Science Sem
COMSC1433	Visual Basic Programming	COMSC3153	Data Comm & Network	COMSC4033	Principles of Prog Lang
COMSC2043	Discrete Structures	COMSC3353	Systems Analy & Design	COMSC4053	O-O Software Engineer
COMSC2413	Data Structures	COMSC3403	Database Systems	COMSC4453	Adv Database Systems
COMSC2463	Program in C# and .NET	COMSC3513	IS Project Management	COMSC4513	Dec Supp & Exp Sys
COMSC2473	Programming in C++	COMSC3603	Hardwre/Softwre Concepts	COMSC4921-3	Computer Sci Internship
COMSC3013	Computer Architecture	COMSC3913	Web Development	COMSC4953	CS/IS Capstone I

### CRIMINAL JUSTICE

CRMJS1113	Intro Criminal Justice	CRMJS3243	Comp Crim Justice System	CRMJS4143	Crit Issues Criminal Just
CRMJS1223	Intro to Law Enforcement	CRMJS3353	The Criminal Mind	CRMJS4153	U.S. Corrections
CRMJS2503	Criminal Justice Admin	CRMJS3803	Privat of Criminal Justice	CRMJS4333	Victimology
CRMJS3163	Socio Devnt & Crim Beh	CRMJS4103	Juvenile Justice		

### ECONOMICS

ECONO2263	Intro to Macroeconomics	ECONO3863	Money and Banking	ECONO4563	Managerial Economics
ECONO2363	Intro to Microeconomics	ECONO4003	Independent Study in Econo	ECONO4963	International Economics
ECONO2463	Business Statistics	ECONO4013	Seminar in Economics		

### EDUCATION

Completing the appropriate listed courses cannot be construed as qualifying the individual to be certified as a teacher nor to being admitted to the teacher education program.

ART 4452	CM&M Elem School Art	KINES 3553	M&M in Elem HPER	RDNG 3432	Teaching of Reading II
EDPSY3413	Child Psychology	LIBED 3423	Media & Technology	RDNG 4443	Diag Prac Tchng Reading
EDUC 2113	Foundations of Educ	LIT 4463	Children's Literature	SCI 3314	Geol Science Elem Teacher
ELEM 3453	Lang Arts in El Sch	MATH 1503	Algebra for Elem Tchrs	SCI 3314L	Geol Sci/Elem Tchrs Lab
ELEM 3513	CMM Math Elem Tchrs	MATH 2133	Geometry for Elem Tchrs	SCI 4352	Tchng Sci in Elem School
ELEM 3522	CMM/Social Stu/Elem Tc	MUSIC 3202	Mus Meth Elem Tchrs	SPCED3132	Exceptional Children
ELEM 4222	Phonics & Penmanship	RDNG 3423	Teaching of Reading I	SPCED3213	Intro to Special Educ

## ENGLISH

ENGL 2011	Sem in Engl	ENGL 4653	Writing for Multimedia	LIT 3463	19th Cent Am Realism
ENGL 2012	Sem in Engl	ENGL 4663	Creative Nonfiction	LIT 3493	Modern Drama
ENGL 2013	Sem in Engl	ENGL 4675	Teaching of HS English	LIT 3513	Lit of the Amer West
ENGL 2014	Sem in Engl	LIT 2001	Ind Study Literature	LIT 3523	Victorian Poetry
ENGL 2703	Creative Writing	LIT 2002	Ind Study Literature	LIT 3533	Brit Renaissance Drama
ENGL 3013	Writing Theory/Practice	LIT 2003	Ind Study Literature	LIT 3543	Literature of South
ENGL 3113	Contemporary Fiction	LIT 2004	Ind Study Literature	LIT 3613	Amer Romantic Period
ENGL 3123	Contemporary Poetry	LIT 2011	Sem in Literature	LIT 4001	Ind Study Literature
ENGL 3473	Beg Creat Writ of Fiction	LIT 2012	Sem in Literature	LIT 4002	Ind Study Literature
ENGL 3483	Beg Creat Writ of Poetry	LIT 2013	Sem in Literature	LIT 4003	Ind Study Literature
ENGL 3553	Writing for the Workplace	LIT 2014	Sem in Literature	LIT 4004	Ind Study Literature
ENGL 3603	English Grammar	LIT 2333	Intro to Film	LIT 4011	Seminar in Literature
ENGL 4002	Ind Study in English	LIT 2543	Myster/Detect Fiction	LIT 4012	Seminar in Literature
ENGL 4003	Ind Study In English	LIT 2743	Mythology	LIT 4013	Seminar in Literature
ENGL 4004	Ind Study In English	LIT 2833	Science Fiction	LIT 4014	Seminar in Literature
ENGL 4012	Sem in English	LIT 3023	Literature Theory/Practice	LIT 4113	Modern World Literature
ENGL 4013	Sem in English	LIT 3033	World Mythology	LIT 4232	Bks and Mat Yng People
ENGL 4014	Sem in English	LIT 3113	Early World Literature	LIT 4473	Mod Brit and Amer Poetry
ENGL 4423	Intro to Linguistics	LIT 3223	Romantic Movement	LIT 4593	Diversity in Amer Lit
ENGL 4453	Advanced Composition	LIT 3333	Shakespeare in Context	LIT 4623	17 <sup>th</sup> Cent Engl Poetry
ENGL 4473	Adv Creat Writ of Poetry	LIT 3343	World Folk Literature	LIT 4883	Women and Literature
ENGL 4483	Adv Creat Writ of Fiction	LIT 3443	Middle English/Chaucer	LIT 4993	The Novel
ENGL 4553	Tech Writing & Editing	LIT 3453	Age of Reason		

## HISTORY

HIST 2603	Writing History	HIST 3603	20 <sup>th</sup> Century World History	HIST 4093	Historical Resrch/Writ
HIST 3033	Historians/Middle Ages	HIST 4001	Ind Study History	HIST 4103	American Indians
HIST 3043	Early Modern Europe	HIST 4011	Seminar in History	HIST 4123	America in the 1960's
HIST 3063	Modern Ireland	HIST 4012	Seminar in History	HIST 4133	Women in American Hist
HIST 3083	Nationalism/Ethnicity	HIST 4013	Seminar in History	HIST 4203	Old South
HIST 3103	Medieval England	HIST 4014	Seminar in History	HIST 4213	New South
HIST 3113	Elizabeth I	HIST 4023	Colonl Amer, 1492-1765	HIST 4313	American West
HIST 3173	History of Ideas	HIST 4033	Revol Amer; 1765-1808	HIST 4353	History of Oklahoma
HIST 3193	European Union	HIST 4043	New Nation/Age Jackson	HIST 4803	Public History Internship
HIST 3203	History of Germany	HIST 4053	Civil War & Reconstr	HIST 4901	Dir Read In History
HIST 3303	Hist Imperial Russia	HIST 4063	Gilded Age: 1877-1900	HIST 4902	Dir Read In History
HIST 3403	Modern France	HIST 4073	20th Cent Amer 1920-60	HIST 4903	Dir Read In History
HIST 3503	Early Christian Thought	HIST 4083	Contemporary America	HIST 4904	Dir Read In History

## KINESIOLOGY

KINES 1153	Nutrition	KINES 2502	Care/Prev of Athl Inj	KINES 4233	Exercise Physiology
KINES 1932	Tech Ap Gym Fit Aqua	KINES 3353	Health and Aging	KINES 4243	Ther/Prescrip Phy Ed
KINES 1942	Tech App Indiv Sports	KINES 3443	Kinesiology & Anatomy	KINES 4533	Consumer Health Ed
KINES 1952	Tech Appl to Team Sprrt	KINES 4052	Sociology of Sports	KINES 4802	Theo Coach Football
KINES 2212	First Aid	KINES 4063	Legal Aspect HPER/Athl	KINES 4832	Theo Coach Bsktball
KINES 2222	Foundations of HPER	KINES 4113	Org/Adm HPER	KINES 4862	Theo Coach Baseball
KINES 2242	Sports Officiating	KINES 4122	Org & Adm Athletics		

## MATHEMATICS

MATH 1513	College Algebra	MATH 3113	Foundations In Math	MATH 4004	Ind Study in Math
MATH 1613	College Trigonometry	MATH 3413	Statistical Methods	MATH 4011	Sem in Mathematics
MATH 1715	College Algebra & Trig	MATH 3433	Statistics I	MATH 4012	Sem in Mathematics
MATH 1834	Calculus I	MATH 3453	Mathematical Stats	MATH 4013	Sem in Mathematics
MATH 2001	Ind Study Mathematics	MATH 3473	Intro to Probability	MATH 4014	Sem in Mathematics
MATH 2002	Ind Study Mathematics	MATH 3533	Tech/Prog Mathematics	MATH 4133	Intro to Math Logic
MATH 2003	Ind Study Mathematics	MATH 3553	Numerical Analysis	MATH 4153	History of Mathematics
MATH 2004	Ind Study In Mathematic	MATH 3653	Linear Algebra	MATH 4213	Differ Equations I
MATH 2011	Sem in Mathematics	MATH 3673	Elem Number Theory	MATH 4223	Differ Equations II
MATH 2012	Sem in Mathematics	MATH 3713	College Geometry	MATH 4233	Vector Analysis
MATH 2013	Sem in Mathematics	MATH 3834	Calculus III	MATH 4653	Modern Algebra
MATH 2014	Sem in Mathematics	MATH 4001	Ind Study In Math	MATH 4753	Intro Point Set Topolo
MATH 2823	Applied Calculus	MATH 4002	Ind Study In Math	MATH 4853	Advanced Calculus
MATH 2834	Calculus II	MATH 4003	Ind Study In Math	MATH 4873	Complex Variables

## MUSIC

Required	MUSIC1214	Music Theory I			
Required	MUSIC1032	Introduction To Music II			
Required	MUSIC2981	Principles of Conducting			
<b>Required</b>	<b>Applied music, principal area: Select 4 hours</b> from the following list. (Must complete Level II of the applied music proficiency exam in their principal area.)				
MUSIC1691	Orchestral Instruments	MUSIC1592	Organ	MUSIC2391	Piano
MUSIC1692	Orchestral Instruments	MUSIC2491	Organ	MUSIC2392	Piano
MUSIC1791	Orchestral Instruments	MUSIC2492	Organ	MUSIC1091	Voice
MUSIC1792	Orchestral Instruments	MUSIC2591	Organ	MUSIC1092	Voice
MUSIC2691	Orchestral Instruments	MUSIC2592	Organ	MUSIC1192	Voice
MUSIC2692	Orchestral Instruments	MUSIC1291	Piano	MUSIC2091	Voice
MUSIC2791	Orchestral Instruments	MUSIC1292	Piano	MUSIC2092	Voice
MUSIC2792	Orchestral Instruments	MUSIC1391	Piano	MUSIC2191	Voice
MUSIC1491	Organ	MUSIC1392	Piano	MUSIC2192	Voice
MUSIC1492	Organ	MUSIC2291	Piano		
MUSIC1591	Organ	MUSIC2292	Piano		
<b>Required</b>	<b>Secondary area: If piano is not principal area must select 2 hours</b> of the following list				
	MUSIC2811	Class Piano I			
	MUSIC2821	Class Piano II			
<b>Required</b>	<b>Secondary area: If piano is principal area must select 2 hours</b> of the following list				
	MUSIC1411	Brass Class			
	MUSIC1511	Woodwind Class			
	MUSIC1611	Percussion Class			
	MUSIC1711	String Class			
	MUSIC1911	Begin Guitar Class			
	MUSIC2101	Voice Class			
<b>Required</b>	<b>Music ensembles: Select 3 hours</b> from the following list				
MUSIC4021	Woodwind Ensemble	MUSIC4041	Percussion Ensemble	MUSIC4071	Jazz Ensemble
MUSIC4031	Brass Ensemble	MUSIC4051	Orchestra	MUSIC4101	Band
MUSIC4141	Chorus				
<b>Required</b>	MUSIC4900	Recital Attendance			
	(minimum of three enrollments with passing grade)				
<b>Electives - Select 5 hours from the following list</b>					
MUSIC1112	Fund of Music	MUSIC2101	Voice Class	MUSIC3253	Music Theory III
MUSIC1314	Music Theory II	MUSIC2831	Class Piano III	MUSIC3303	Music Theory IV
MUSIC1411	Brass Class	MUSIC2841	Class Piano IV	MUSIC3331	Jazz Improvisation
MUSIC1511	Woodwind Class	MUSIC3101	Instrumental Conducting	MUSIC3353	History of Music I
MUSIC1611	Percussion Class	MUSIC3101L	Instrument Cond Lab	MUSIC3403	History of Music II
MUSIC1711	String Class	MUSIC3151	Choral Conducting	MUSIC4261	Intro to Music Tech
MUSIC1911	Begin Guitar Class	MUSIC3151L	Choral Conduct Lab		

## PARKS AND RECREATION MANAGEMENT

PRM 2102	Found of Parks and Rec	PRM 3452	Advanced Ropes	PRM 4173	Land Use Planning
PRM 3113	Sail, Canoe, Hiking & Climb	PRM 3503	Sports Mgmt	PRM 4201	Park Ranger
PRM 3122	Wilderness First Aid	PRM 3663	Recreation Management	PRM 4211	Game and Fish Law
PRM 3132	Wilderness Survival	PRM 3702	Rec Areas and Fac Manage	PRM 4221	Small Craft Safety
PRM 3133	Emergency Response	PRM 4011	Sem in PRM	PRM 4231	Custody and Control
PRM 3142	Adv Wilderness Survival	PRM 4012	Sem in PRM	PRM 4241	Firearm Safety
PRM 3152	Scuba	PRM 4013	Sem in PRM	PRM 4301	Wildland Fire
PRM 3161	Lifeguarding	PRM 4014	Sem in PRM	PRM 4322	Adv Wildland Fire
PRM 3262	Adv SCUBA/SLAM	PRM 4113	Risk Mgmt in Rec	PRM 4502	Rodeo Management
PRM 3171	Lifeguard Instructor	PRM 4122	Rec Sports Mgmt Law	PRM 4523	Fitness Program Mgmt
PRM 3211	Outdoor Ed/Adv Program	PRM 4132	Rec Sports Empl Law	PRM 4533	Sport Info Mgmt
PRM 3221	Outdoor Ed for Tchrs	PRM 4142	Ethics Rec & Sports Mgmt	PRM 4663	Outdoor Recreation
PRM 3421	Basic Ropes Course	PRM 4152	Rec & Spts Mgmt Stats	PRM 4773	Nat Res Rec Mngmt
PRM 3432	Ropes Course Facilitation	PRM 4163	Community Recreation	PRM 4993	Internship in Pro Rec
PRM 3441	High Angle Rescue	PRM 4172	Natural Resource Law		

## PHYSICS

ASTRO4011	Sem In Astronomy	PHY 1064	General Physics	PHY 2213	Strength of Materials
ASTRO4012	Sem In Astronomy	PHY 1072	Intro Electronics	PHY 3013	Materials Science
ASTRO4013	Sem In Astronomy	PHY 1072L	Intro Electronics Lab	PHY 3112	Expermntl Techniques
ASTRO4014	Sem In Astronomy	PHY 2011	Seminar in Physics	PHY 3243	Lin Circuit Analysis
GEOL 4011	Seminar in Geology	PHY 2012	Seminar in Physics	PHY 3303	History of Physics
GEOL 4012	Seminar in Geology	PHY 2013	Seminar in Physics	PHY 3311	Modern Phy/Engnrs Lab
GEOL 4013	Seminar in Geology	PHY 2014	Seminar In Physics	PHY 3403	Modern Physics/Enginr
GEOL 4014	Seminar in Geology	PHY 2145	General Physics I	PHY 3413	Analog Electronics
PHY 1044	Basic Physics I	PHY 2145L	General Physics I Lab	PHY 3413L	Analog Electronics Lab
PHY 1044L	Basic Physics I Lab	PHY 2155	General Physics II	PHY 3424	Optics
PHY 1054	Basic Physics II	PHY 2155L	Gen Physics II Lab	PHY 3424L	Optics Lab
PHY 1054L	Basic Physics II Lab	PHY 2203	Rigid Body Mechanics	PHY 3501	Physics Seminar (Topic)

PHY 3523	Solid-State/Nucl Phys	PHY 3603	Mechanics I	PHY 4644	Elect/Magnetism I
PHY 3523L	Solid-State/Nucl Lab	PHY 3603L	Mechanics I Lab	PHY 4644L	Elect/Magnetism I Lab
PHY 3544	Digital Electronics	PHY 3633	Fluid Mechanics	PHY 4663	Elect/Magnetism II
PHY 3544L	Digital Electronic Lab	PHY 4011	Seminar In Physics	PHY 4723	Quantum Mechanics
PHY 3563	Thermodynamics	PHY 4012	Seminar in Physics	PHY 4743	Solid State Physics
PHY 3573	Heat Transfer	PHY 4013	Seminar in Physics	PHY 4763	Nuclear Physics
PHY 3583	Meth Theoretical Phys	PHY 4014	Seminar in Physics		

### POLITICAL SCIENCE

POLSC2303	Comparative Politics	POLSC3163	Prin International Rela	POLSC4303	International Organ
POLSC2623	Criminal Law & Procedure	POLSC3323	Legislative Exec Relations	POLSC4403	Public Policy Formation
POLSC2803	The Judicial Process	POLSC3343	Women & Politics	POLSC4613	Civil Rights/Liberties
POLSC3003	Federal Constitution	POLSC3363	Public Adm Theory/Prac		
POLSC3033	Political Parties	POLSC4233	Urban Politics & Elections		
POLSC3113	Political Theory	POLSC4253	International Law		

### PSYCHOLOGY

PSYCH2011	Seminar in Psychology	PSYCH3224	Research Methods	PSYCH4133	Psychology of Sports
PSYCH2012	Seminar in Psychology	PSYCH3224L	Research Methods Lab	PSYCH4203	Psychology of Women
PSYCH2013	Seminar in Psychology	PSYCH3233	Learning and Memory	PSYCH4223	Media & Mental Illness
PSYCH2014	Seminar in Psychology	PSYCH3243	Cross-Cultural Psych	PSYCH4313	Intro Clinical Psych
PSYCH2423	Social Psychology	PSYCH3253	Psychological Tests	PSYCH4333	Physiological Psych
PSYCH2433	Psychological Statist	PSYCH3323	Abnormal Psychology	PSYCH4371	Psychological Research
PSYCH3011	Seminar in Psychology	PSYCH3333	Behavior Management	PSYCH4372	Psychological Research
PSYCH3012	Seminar in Psychology	PSYCH3363	Psych of Personality	PSYCH4373	Psychological Research
PSYCH3013	Seminar in Psychology	PSYCH3503	Indust/Org Psychology	PSYCH4374	Psychological Research
PSYCH3014	Seminar in Psychology	PSYCH4011	Sem In Psych (Topic)	PSYCH4391	Adv Seminar in Psych
PSYCH3201	Contemp Prob in Psych	PSYCH4012	Sem In Psychology	PSYCH4392	Adv Seminar in Psych
PSYCH3202	Contemp Prob in Psych	PSYCH4013	Sem In Psychology	PSYCH4393	Adv Seminar in Psych
PSYCH3203	Contemp Prob in Psych	PSYCH4014	Sem In Psychology	PSYCH4394	Adv Seminar in Psych
PSYCH3204	Contemp Prob in Psych	PSYCH4113	Iss In Chem Dep Trtmt	PSYCH4533	Language Development
PSYCH3213	Developmental Psych	PSYCH4123	Theor & Princ of Psych		

### SOCIAL WORK

PSYCH2433	Psychological Statistics	SOCWK3503	Social Welfare Pol & Serv	SOCWK4603	Micro Systems Practice
SOCWK2503	Intro to Social Work	SOCWK3863	Research for Social Work	SOCWK4613	Small Group Practice
SOCWK3263	Human Beh & Soc Env I	SOCWK4013	Sem:Child Abuse & Neglect	SOCWK4623	Macro Systems Practice
SOCWK3273	Human Beh & Soc Env II	SOCWK4313	Cultural Diversity	SOCSC3853	Statistics for Social Sci

### SPANISH

SPAN 1054	Elementary Spanish I	SPAN 2353	Spanish Conversation	SPAN 4003	Ind Study in Spanish
SPAN 1154	Elementary Spanish II	SPAN 3013	Span Law Enforcemnt	SPAN 4004	Ind Study in Spanish
SPAN 2001	Ind Study Spanish	SPAN 3023	Span Healthcare Prof	SPAN 4010	Seminar in Spanish
SPAN 2002	Ind Study Spanish	SPAN 3153	Spanish Lit To 1800	SPAN 4011	Seminar in Spanish
SPAN 2003	Ind Study Spanish	SPAN 3253	Span Lit Since 1800	SPAN 4012	Seminar in Spanish
SPAN 2004	Ind Study Spanish	SPAN 3353	Spanish-American Lit	SPAN 4013	Seminar in Spanish
SPAN 2011	Seminar in Spanish	SPAN 3553	Hispanic Life/Culture	SPAN 4014	Seminar in Spanish
SPAN 2012	Seminar in Spanish	SPAN 3653	Interm Spanish Convers	SPAN 4043	Adv Span Conversa
SPAN 2013	Seminar in Spanish	SPAN 3753	Readings in Spanish	SPAN 4053	Adv Sp Comp & Grmr
SPAN 2014	Seminar in Spanish	SPAN 3853	Spanish Composition	SPAN 4373	Hispanic Literature
SPAN 2053	Inter Spanish I	SPAN 4001	Ind Study in Spanish	SPAN 4473	Hisp Amer Writers
SPAN 2153	Inter Spanish II	SPAN 4002	Ind Study in Spanish	SPAN 4554	Spanish Study Abroad

### TECHNOLOGY

MFET 3183	Statics and Strengths	TECH 3263	Machine Drafting I	TECH 4243	Computer Aid Draft II
MFET 3433	Automation/Robotics	TECH 3413	Manufacturing Process	TECH 4253	Machine Drafting II
MFET 4443	Material Hand/Fac Plan	TECH 3453	Industrial Plastics	TECH 4273	Practical Photography
MFET 4951	Capstone I	TECH 3463	Manufacturing Oper I	TECH 4283	Advanced Photography
MFET 4962	Capstone II	TECH 3513	Material Test/Analysis	TECH 4313	Const Systems I
TECH 1101	Intro to Technology	TECH 3523	Fabrication Process II	TECH 4364	Furniture/Cabinet Make
TECH 1203	Engineering Drafting	TECH 3613	Power Systems	TECH 4373	Economic Decision Anal
TECH 1223	Technology & Society	TECH 3813	Electro/Mech Controls	TECH 4433	Quality Control
TECH 1313	Wood Mat & Processes	TECH 3823	Industrial Electronics	TECH 4454	Computer Aided Manufac
TECH 1713	Applied Electronics	TECH 3833	Commun Electronics	TECH 4493	Manufacturing Oper II
TECH 1813	Electronic Circuit Analysis	TECH 3843	Telecommunications	TECH 4514	Machine Tool Processes
TECH 2513	Fabrication Process I	TECH 3853	Electronic Instrum	TECH 4813	Networking Electron II
TECH 2543	Weld Proc & Metal	TECH 3863	Elect Trouble Shooting	TECH 4823	Digital Electronics
TECH 2813	Adv Elec Circuit Analysis	TECH 4003	Ind Study Technology	TECH 4833	Micro Comp Elec
TECH 3113	Industrial Safety	TECH 4113	Hist/Phil Voc Adult Ed	TECH 4843	Programmable Controls
TECH 3143	Tech Presentations	TECH 4123	Industrial Supervision	TECH 4903	Manuf Enterprises
TECH 3173	Environmental Regulatn	TECH 4223	Elect Circuit Design		
TECH 3203	Comp Aided Draft (CAD)	TECH 4233	Graphic Comm Systems		